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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Inventors: **Dietz et al.**

Application No. **10/814,953**

Filing Date: **March 31, 2004**

Title: **Telemetric Tibial Tray**



MMB Docket No. **1671-0293**

J&J Reference: **DEP5205USNP**

Examiner: **Not Yet Assigned**

Group Art Unit: **3738**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 2, 2006
(Date of Deposit)

Paul J. Maginot

Name of person mailing Document or Fee

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Signature of person mailing Document or Fee

August 2, 2006

Date of Signature

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56 and 1.97, Applicants hereby disclose the references listed below and identified on the attached Form PTO-1449. Copies of two (2) PCT patent references and twenty-two (22) non-patent references are enclosed regarding the above-identified patent application.

<u>U.S. Patent No.</u>	<u>Issued Date</u>	<u>Inventor</u>
4,045,825	September 6, 1977	Stroot
4,675,670	June 23, 1987	Lalonde et al.
5,376,128	December 27, 1994	Bozeman, Jr.
5,395,033	March 7, 1995	Byrne et al.
5,458,655	October 17, 1995	Bozeman, Jr.
5,465,619	November 14, 1995	Sotack et al.
5,480,454	January 2, 1996	Bozeman, Jr.
5,769,875	June 23, 1998	Peckham et al.
5,776,171	July 7, 1998	Peckham et al.
5,831,430	November 3, 1998	Pfanstiehl et al
5,954,758	September 21, 1999	Peckham et al.
6,026,328	February 15, 2000	Peckham et al.
6,163,725	December 19, 2000	Peckham et al.
6,228,900	May 8, 2001	Shen et al.
6,281,264	August 28, 2001	Salovey et al.
6,281,679	August 28, 2001	King et al.
6,332,089	December 18, 2001	Acker et al.
6,400, 989	June 4, 2002	Eckmiller
6,454,781	September 24, 2002	Witt et al.
6,473,652	October 29, 2002	Sarwa et al.
6,498,944	December 24, 2002	Ben-Haim et al.
6,507,189	January 14, 2003	Woolsey et al.
6,558,229	May 6, 2003	Kimura et al.
6,563,308	May 13, 2003	Nagano et al.
6,583,630	June 24, 2003	Mendes et al.
6,679,920	January 20, 2004	Biedermann et al.
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2002/0133175	September 19, 2002	Carson
2003/0069644	April 10, 2003	Kovacevic et al.
2004/0034355	February 19, 2004	Govari et al.
2004/0243148	December 2, 2004	Wasielewski

<u>Foreign Patent</u>	<u>Date</u>	<u>Country</u>
WO 2000/65981	November 9, 2000	PCT
WO 2005/055871	June 23, 2005	PCT

Non-Patent Publications

SEEDHOM ET AL., *A Technique for the Study of Geometry and Contact in Normal and Artificial Knee Joints*, 1972, Wear – Elsevier Sequoia S.A. Lausanne, – Printed in the Netherlands, pp. 189-199.

TROYK ET AL., *Design and Implementation of an Implantable Goniometer*, IEEE Transactions on Biomedical Engineering, February 1986, pp. 215-222, Vol. BME-33, No. 2.

SELVIK, *Roentgen stereophotogrammetry A method for the study of the kinematics of the skeletal system*. Acta Orthopaedica Scandinavica, 1989, pp. 1-51, Supplementum no. 232, Vol. 60, Munksgard Copenhagen.

GRAICHEN ET AL; *Four-Channel Telemetry System for In Vivo Measurement of Hip Joint Forces* . J. Biomed. Eng., February 1991, pp. 370-374, Vol. 13.

PAVELKA ET AL; *Correlation between knee roentgenogram changes and clinical symptoms in osteoarthritis*; Rev. Rhum. Mal. Osteoartic., April 1992, pp. 553-559, 59 (9).

GRAICHEN ET AL; *Inductively Powered Telemetry System for In Vivo Measurement with Orthopaedic Implants*, Biotelemetry XIII, March 26-31, 1995 – Williamsburg, VA, pp. 75-80.

CONROZIER ET AL; *Quantitative radiography in osteoarthritis: Computerized measurement of radiographic knee and hip joint space*, Baillière's Clinical Rheumatology, August 1996, pp. 429-433, Vol. 10, No. 3, Copyright © 1996, by Baillière's Tindall.

KARRHOLM ET AL; Radiosterometry of Hip Prostheses Review of Methodology and Clinical Results, Clinical Orthopaedics and Related Research, 1997, pp. 94-110 No. 344, Lippincott-Raven Publishers.

ILCHMANN, Thesis Radiographic assessment of cup migration and wear after hip replacement, Acta Orthopaedica Scandinavica, October 1997, pp. 1-27, Vol. 68, Supplementum No. 276.

LANYON ET AL, Radiographic assessment of symptomatic knee osteoarthritis in the community: definitions and normal joint space, August 1998, Ann Rheum Dis, pp. 595-601, No. 57.

VROOMAN ET AL; Fast and accurate automated measurements in digitized stereophotogrammetric radiographs. Journal of Biomechanics, 1998, pp. 491-498, 31.

ÖNSTEN ET AL; Wear in uncemented porous and cemented polyethylene sockets A RANDOMISED, RADIOSTEROMETRIC STUDY. The Journal of Bone and Joint Surgery, March 1998, pp. 345-50, 80(2).

JOHNSON et al., Implantable Transducer for Two-Degree of Freedom Joint Angle Sensing. IEEE Transactions on Rehabilitation Engineering, September 1999, pp. 349-359, Vol. 7, No. 3.

MILLER ET AL., Molecule-Based Magnets – An Overview. MRS Bulletin, November 2000, pp. 21-28.

RYD ET AL., Methods for determining the accuracy of radiostereometric analysis (RSA), Acta Orthopaedic Scandinavica, 2000, pp. 403-408, 71 (4).
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CICUTTINI ET AL., Tibial and femoral cartilage changes in knee osteoarthritis, Ann Rheum Dis, Oct 2001, pp. 977-980, 60.

HYLDAHL ET AL., Does Metal Backing Improve Fixation of Tibial Component in Unicondylar Knee Arthroplasty? A Randomized Radiosterometric Analysis, The Journal of Arthroplasty, 2001, pp. 174-179, Vol. 16 No. 2.

SYCHTERZ et al; Effect of Radiographic Quality on Computer-Assisted Head Penetration Measurements, Clinical Orthopaedics and Related Research, 2001, pp. 150-158, No. 386.

BHADRA ET AL; Implementation of an Implantable joint-angle Transducer
Journal of Rehabilitation Research and Development, May/June 2002, pp. 411-422, Vol. 39, No. 3.

BRAGDON ET AL., Experimental assessment of precision and accuracy of radiostereometric analysis for the determination of polyethylene wear in a total hip replacement model, Journal of Orthopaedic Research, 2002, pp. 688-695, 20, ©2002 Orthopaedic Research Society, Published by Elsevier Science Ltd.

HILLIQUIN ET AL., Quantitative assessment of joint space width with an electronic caliper, 2002, Osteoarthritis and Cartilage, pp. 542-546, 10.

European Search Report for European Application No. 05251832.1-2310 PCT/
dated August 5, 2005, 4 pages.

It is believed that no fees are due for the consideration of this Third Supplemental Information Disclosure Statement. However, the Commissioner is hereby authorized to charge any fee deficiency or to credit any overpayment to Deposit Account No. 13-0014, but not to include any payment of issue fees.


Respectfully submitted,

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Attorney for Applicants
Registration No. 34,984

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT 	MMB DOCKET NO. 1671-0293	APPLICATION NO. 10/814,953
	APPLICANTS: Dietz et al.	
	FILING DATE: March 31, 2004	GROUP ART UNIT: 3738

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	A	4,045,825	September 6, 1977	Stroot			
	B	4,675,670	June 23, 1997	Lalonde et al.			
	C	5,376,128	December 27, 1994	Bozeman			
	D	5,395,033	March 7, 1995	Byrne et al.			
	E	5,458,655	October 17, 1995	Bozeman			
	F	5,465,619	November 14, 1995	Sotack et al.			
	G	5,480,454	January 2, 1996	Bozeman			
	H	5,769,875	June 23, 1998	Peckham et al.			
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	J	5,831,430	November 3, 1998	Pfanstiehl et al.			
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FOREIGN PATENT DOCUMENTS


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	L	WO 2000/65981	PCT	November 9, 2000			
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	N	<u>1</u>	SEEDHOM ET AL., A Technique for the Study of Geometry and Contact in Normal and Artificial Knee Joints, 1972, Wear – Elsevier Sequoia S.A. Lausanne – Printed in the Netherlands, pp. 189-199.
	O	<u>1</u>	TROYK ET AL., Design and Implementation of an Implantable Goniometer, IEEE Transactions on Biomedical Engineering, February 1986, pp. 215-222, Vol. BME-33, No. 2.
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	R	6,163,725	December 19, 2000	Peckham et al.			
	S	6,228,900	May 8, 2001	Shen et al.			
	T	6,281,264	August 28, 2001	Salovey et al.			
	U	6,281,679	August 28, 2001	King et al.			
	V	6,332,089	December 18, 2001	Acker et al.			
	W	6,400,989	June 4, 2002	Eckmiller			
	X	6,454,781	September 24, 2002	Witt et al.			
	Y	6,473,652	October 29, 2002	Sarwa et al.			
	Z	6,498,944	December 24, 2002	Ben-Haim et al.			
	AA	6,507,189	January 14, 2003	Woolsey et al.			

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EXAMINER INITIAL		DOCUMENT NUMBER	COUNTRY	DATE	CLASS	SUB-CLASS	TRANSLATIO N

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AB	<u>2</u>	GRAICHEN ET AL., <u>Four-Channel Telemetry System for In Vivo Measurement of Hip Joint Forces</u> . J. Biomed. Eng., February 1991, pp. 370-374, Vol. 13.
	AC	<u>2</u>	PAVELKA ET AL., <u>Correlation between knee roentgenogram changes and clinical symptoms in osteoarthritis</u> ; Rev. Rhum. Mal. Osteoartic., April 1992, pp. 553-559, 59 (9).
	AD	<u>2</u>	GRAICHEN ET AL., <u>Inductively Powered Telemetry System for In Vivo Measurement with Orthopaedic Implants</u> , Biotelemetry XIII, March 26-31, 1995 – Williamsburg, VA, pp. 75-80.

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	AE	6,558,229	May 6, 2003	Kimura et al.			
	AF	6,563,308	May 13, 2003	Nagano et al.			
	AG	6,583,630	June 24, 2003	Mendes et al.			
	AH	6,679,920	January 20, 2004	Biedermann et al.			
	AI	2001/0000187	April 5, 2001	Peckham et al.			
	AJ	2002/0147455	October 10, 2002	Carson			
	AK	2002/0133175	September 19, 2002	Carson			
	AL	2003/0069644	April 10, 2003	Kovacevic et al.			
	AM	2004/034355	February 19, 2004	Govari et al.			
	AN	2004/0243148	December 2, 2004	Wasielewski			

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	AO	3	CONROZIER ET AL., <u>Quantitative radiography in osteoarthritis: Computerized measurement of radiographic knee and hip joint space</u> Baillière's Clinical Rheumatology, August 1996, pp. 429-433, Vol. 10, No. 3, Copyright © 1996, by Baillière's Tindall.
	AP	3	KARRHOLM ET AL; <u>Radiosterometry of Hip Prostheses Review of Methodology and Clinical Results</u> , Clinical Orthopaedics and Related Research, 1997, pp. 94-110, No. 344.
	AQ	3	ILCHMANN, <u>Thesis Radiographic assessment of cup migration and wear after hip replacement</u> , Acta Orthopaedica Scandinavica, October 1997, pp. 1-27, Vol. 68, Supplementum No. 276.

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	AR	4	LANYON ET AL; <u>Radiographic assessment of symptomatic knee osteoarthritis in the community: definitions and normal joint space.</u> Ann Rheum Dis, August 1998, pp. 595-601, No. 57.
	AS	4	VROOMAN ET AL., <u>Fast and accurate automated measurements in digitized stereophotogrammetric radiographs.</u> Journal of Biomechanics, 1998, pp. 491-498, 31.
	AT	4	ÖNSTEN ET AL; <u>Wear in uncemented porous and cemented polyethelene sockets, A RANDOMISED, RADIOSTEROMETRIC STUDY,</u> The Journal of Bone and Joint Surgery, March 1998, pp. 345-50, 80(2).

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	AT	<u>5</u>	JOHNSON ET AL; <u>Implantable Transducer for Two-Degree of Freedom Joint Angle Sensing</u> . IEEE Transactions on Rehabilitation Engineering, September 1999, pp. 349-359, Vol. 7, No. 3.
	AU	<u>5</u>	MILLER ET AL., <u>Molecule-Based Magnets – An Overview</u> . MRS Bulletin, November 2000, pp. 21-28.
	AV	<u>5</u>	RYD ET AL., <u>Methods for determining the accuracy of radiostereometric analysis (RSA)</u> , Acta Orthopaedic Scandinavica, 2000, pp. 403-408, 71 (4). © Taylor & Francis 2000.

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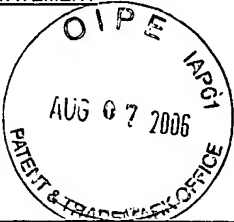
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AW	<u>6</u>	CICUTTINI ET AL., <u>Tibial and femoral cartilage changes in knee osteoarthritis</u> , Ann Rheum Dis, 2001 Oct; pp. 977-980, 60.
	AX	<u>6</u>	HYLDAHL ET AL., <u>Does Metal Backing Improve Fixation of Tibial Component in Unicondylar Knee Arthroplasty? A Randomized Radiosterometric Analysis</u> , The Journal of Arthroplasty, 2001, pp. 174-179, Vol. 16 No. 2.
	AY	<u>6</u>	SYCHERTZ ET AL., <u>Effect of Radiographic Quality on Computer-Assisted Head Penetration Measurements</u> , Clinical Orthopaedics and Related Research, 2001, pp. 150-158, No. 386.

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	AZ	7	BHADRA ET AL., <u>Implementation of an Implantable joint-angle Transducer</u> Journal of Rehabilitation Research and Development, May/June 2002, pp. 411-422, Vol. 39, No. 3.
	BA	7	BRAGDON ET AL., <u>Experimental assessment of precision and accuracy of radiostereometric analysis for the determination of polyethylene wear in a total hip replacement model</u> , Journal of Orthopaedic Research, 2002, pp. 688-695. ©2002 Orthopaedic Research Society. Published by Elsevier Science Ltd.
	BB	7	HILLIQUIN ET AL., <u>Quantitative assessment of joint space width with an electronic caliper</u> . Osteoarthritis and Cartilage, 2002, pp. 542-546, 10.

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	BC	<u>8</u>	European Search Report for European Application No. 05251832.1-2310 PCT/ dated August 5, 2004, 4 pages.

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